

10 June 1958

THRU : Chief, Intelligence Information Staff, ORR  
Chief, Administrative Staff  
Chief, Geographic Research

Request for Clearances and Travel to the West Coast,  
17 June - 2 July 1958

25X1A9a 1. Request is made for the travel of [REDACTED] and [REDACTED] to California, 17 June - 2 July 1958.

25X1A5a1 2. Purpose of the trip is as follows: (a) attend the Fourteenth Annual Meeting of the Institute of Navigation (ION), to be held at the University of California Santa Barbara College, Goleta, California; (b) confer with personnel at [REDACTED] Corporation; and (c) confer with personnel at [REDACTED] 25X1A5a1

3. a. The attendance at the ION conference affords an unusual opportunity to keep abreast of recent developments in navigation instruments, techniques, and problems. The attached preliminary program of the papers to be presented and discussed includes a number that are particularly relevant to the positioning and targeting problems, especially the papers by Thomas, Streeter, Culp and Russel, and Wheelon.

b. The re-visit to [REDACTED] is a follow-up to our visit of a year-and-a-half ago and is intended to obtain the benefits of the findings concerning the guidance and impact point accuracies as a result of the experience based on numerous missile launchings. We need to re-check current [REDACTED] concepts and the effect of gravity on missiles reflecting results of missile test operations. We also need to learn of the current thinking on the re-entry problem -- the angle of warhead re-entry as it affects the positioning problem. 25X1A5a1

25X1A5a1 c. The trip to [REDACTED] is for two reasons. One is to discuss current and future geodetic requirements for ICBM operations with [REDACTED] whom we were unable to see on our last trip to Los Angeles and who was highly recommended [REDACTED] The other purpose is to consult with [REDACTED] and others on Pled Piper, the reconnaissance satellite, to discuss the elements of its orbit, telemetering, and the possibilities of the photography for geodesy and mapping. 25X1A5a1

Travel 3-2

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4. The proposed itinerary would be as follows:

17 June	arrive Los Angeles	25X1A6a
18 June	initiate contact with [REDACTED] to arrange conferences in LA area; arrive Santa Barbara for registration at Conference	25X1A2g 25X1A6a
19-21 June	Institute of Navigation Annual Conference	
23 June (Monday)	arrive at [REDACTED] to finalize arrangements for conferences, LA area	25X1A6a
23-27 June	meet with personnel at [REDACTED]	25X1A5a1
28 June	arrive San Francisco	25X1A5a1
30 June	[REDACTED]	25X1A5a1
1-2 July	return to Washington, D. C.	

5. Arrangements will be required to meet with the persons listed below. All but three -- which are marked with asterisks\* -- have been contacted on a previous trip (4 November - 3 December 1956).

a. [REDACTED]

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The above will be interviewed to discuss recent findings on the effects of gravity on impact accuracies and determinations of positions for mid-course guidance.

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b. 

The purpose is to discuss current thinking on the re-entry problem as it affects the accuracy at the target. Previous concepts have been based on largely theoretical analysis. Current concepts are likely to reflect data gained from numerous test launchings.

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c. 

The purpose is to discuss Frye's work on the geodetic requirements for long-range missiles, and to discuss with Roscoe the geodetic control problems of utilizing Pied Piper photography for geodetic and mapping purposes.



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**Attachment:**

Preliminary Program, IOE Fourteenth Annual Meeting

**Distribution:**

O&I - Addressee

1 - St/A

2 - Ch/G

1 - D/GG

ORR:Ch/G:  jmc/535(9 June 1958)

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